



US 20030062830A1

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0062830 A1**
Guenther et al. (43) **Pub. Date: Apr. 3, 2003**(54) **REINFORCEMENT OF GLASS SUBSTRATES
IN FLEXIBLE DEVICES****Publication Classification**(51) **Int. Cl.⁷** **H01J 1/62**(52) **U.S. Cl.** **313/512**(76) Inventors: **Ewald Guenther**, Singapore (SG); **Ong
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Iselin, NJ 08830 (US)(57) **ABSTRACT**

A reinforcement technique used in the fabrication of displays, such as organic light emissive diode (OLED) display, is disclosed. A stiff reinforcement lid is mounted on a thin substrate to encapsulate the OLED cells. The lid serves to reinforce the thin flexible substrate and protect it from breakage. It comprises preferably of metal or other materials that have higher stiffness and ductility than the thin substrate. The fabricated display is compatible for integration into chip cards and other flexible applications.

(21) Appl. No.: **09/968,165**(22) Filed: **Sep. 28, 2001**